

UTILITY PATENT APPLICATION TRANSMITTAL  
(only for continuation and divisional  
applications under 37 CFR 1.53(b))

Docket No.: P-IX 4692

Prior Application Info  
Examiner: M. Garcia  
Group/Art Unit: 1627

Address to: COMMISSIONER FOR PATENTS  
Box Patent Application  
Washington, D.C. 20231



23601

PATENT TRADEMARK OFFICE

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

"EXPRESS MAIL" MAILING LABEL NUMBER: EL 856980977 US

DATE OF DEPOSIT: April 20, 2001

I HEREBY CERTIFY THAT THIS PAPER OR FEE IS BEING  
DEPOSITED WITH THE UNITED STATES POSTAL SERVICE  
"EXPRESS MAIL POST OFFICE TO ADDRESSEE" SERVICE UNDER  
37 C.F.R. 1.10 ON THE DATE INDICATED ABOVE, AND IS  
ADDRESSED TO: COMMISSIONER FOR PATENTS,  
BOX PATENT APPLICATION, WASHINGTON, D.C. 20231.

Brian Ho

(TYPED OR PRINTED NAME OR PERSON MAILING PAPER OR FEE)

(SIGNATURE OF PERSON MAILING PAPER OR FEE)

This is a request for filing a  
\_\_\_\_\_ continuation X divisional

application under 37 CFR 1.53(b), of pending prior application  
serial no. 09/169,048, filed October 8, 1998 (list only immediate  
prior application).

Title: METHOD FOR IDENTIFYING OPTIMAL BINDING LIGANDS TO A  
RECEPTOR

Inventor(s) (full name of each inventor): William D. Huse and  
Michael H. Freedman

No abandonment of, or termination of proceedings, has occurred in  
the above-identified prior application.

1. X An application based on the prior application as filed  
and containing no new matter is enclosed, consisting  
of:  
1 page application cover sheet  
64 pages of specification (includes claims and  
abstract)  
5 sheets of drawing(s).
2. X 3 pages of a copy of the oath or declaration as  
originally filed on December 28, 1998, in prior  
application (37 CFR 1.63(d)), U.S. serial no.  
09/169,048, filed October 8, 1998, is enclosed.
3. \_\_\_\_\_ A signed statement DELETING inventor(s) named in the  
prior application (37 CFR 1.63(d)(2) and 1.33(b)) is  
attached.
4. X Nucleotide and/or Amino Acid Sequence Submission is  
enclosed:  
\_\_\_\_\_ computer readable copy of sequence listing  
X paper copy of sequence listing, pages 1 through 9  
X Statement Under 37 C.F.R. § 1.821(f) and (g)  
X Request to Use Computer Readable Form of Sequence  
Listing From Another Application  
\_\_\_\_\_ Other:



1017 U.S. PTO  
09/169,048



09839469-042001

5. ☒ Incorporation by Reference: The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under item no. 2 of this form, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference herein.
6. ☐ Enter the unentered amendment previously filed on \_\_\_\_\_ under 37 CFR 1.116 in the prior application.
7. ☐ A preliminary amendment is enclosed.
8. Small entity status:  
a. ☐ A small entity statement is enclosed.  
b. ☒ A small entity statement was filed in prior application serial no. 09/169,048, and such status is still proper and desired.  
c. ☐ is no longer claimed.
9. ☒ Amend the specification by:  
☒ inserting before the first paragraph on page 1: or  
☐ deleting the paragraph on page 1 regarding related applications and inserting therefor:  
  
This application is a divisional of application serial no. 09/169,048, filed October 8, 1998, which claims benefit of provisional application 60/112,011, filed October 9, 1997, now abandoned, which was converted from U.S. Serial no. 08/948,187 filed October 9, 1997, the entire contents of which is incorporated herewith by reference.
10. ☒ Cancel in this application original claims 10 through 38 of the prior application before calculating the filing fee. (At least one original independent claims must be retained for filing purposes.)
11. The prior application is assigned of record to IXSYS, INCORPORATED.
12. The power of attorney in the prior application is to CATHRYN CAMPBELL, CAMPBELL & FLORES LLP.
13. ☐ A copy of a change in power of attorney or authorization of agent as filed in the prior application (37 CFR 1.63(d)(4)) is enclosed.
14. ☒ A return receipt postcard is enclosed.
15. ☒ A Patent Application Bibliographic Data Sheet is enclosed.
16. ☐ Request for Nonpublication and Certification is enclosed.
17. Also enclosed:

09839469-012001

The filing fee is calculated below:

	NUMBER FILED		NUMBER EXTRA		RATE	FEE
TOTAL CLAIMS	9-20	=	0	x	\$9 \$18	
INDEPENDENT CLAIMS	1-3	=	0	x	\$40 \$80	\$
MULTIPLE DEPENDENT CLAIMS ____ YES <u>XX</u> NO					\$135 \$270	
BASIC FEE					\$355 \$710	\$355
TOTAL FEE						\$355


18. X A check in the amount of \$355.00 is enclosed. A duplicate copy of this sheet is enclosed.
19. \_\_\_\_\_ The filing fee is not enclosed. Do not charge our deposit account.
20. X The Commissioner is hereby authorized to charge fees under 37 CFR 1.16 and 1.17 which may be required or credit any overpayment to Deposit Account No. 03-0370. A duplicate copy of this sheet is enclosed.

Address all future communications to:

Cathryn Campbell  
CAMPBELL & FLORES LLP  
4370 La Jolla Village Drive, 7<sup>th</sup> Floor  
San Diego, California 92122  
telephone: (858) 535-9001  
facsimile: (858) 535-8949  
**USPTO CUSTOMER NO. 23601**

Respectfully submitted,

Date: April 20, 2001

  
Deborah L. Cadena  
Registration No. 44,048  
Attorney for Applicant  
CAMPBELL & FLORES LLP  
4370 La Jolla Village Drive  
7<sup>th</sup> Floor  
San Diego, California 92122

\_\_\_\_ inventor(s)                      X attorney or agent of record  
\_\_\_\_ assignee of complete interest                      \_\_\_\_\_ filed under Sec. 1.34(a)

09839469 042001

Document: PATENT APPLICATION  
BIBLIOGRAPHIC DATA SHEET  
Attorney Docket No: P-IX 4692

**CERTIFICATE OF MAILING BY "EXPRESS MAIL"**

"EXPRESS MAIL" MAILING LABEL NUMBER: EL 856980977 US

DATE OF DEPOSIT: April 20, 2001

I HEREBY CERTIFY THAT THIS PAPER OR FEE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE "EXPRESS MAIL POST OFFICE TO ADDRESSEE" SERVICE UNDER 37 CFR 1.10 ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231.

Brian Ho  
Printed Name of Person Mailing Paper or Fee

Brian Ho  
Signature of Person Mailing Paper or Fee

0933495-043001  
"043001" 0933495

PATENT

Our Docket: P-IX 4692

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: )  
Huse and Freedman )  
Serial No.: Not yet known )  
Filed: Herewith )  
For: METHOD FOR IDENTIFYING )  
OPTIMAL BINDING LIGANDS )  
TO A RECEPTOR )  
\_\_\_\_\_ )

Commissioner for Patents  
Box Patent Application  
Washington, D.C. 20231

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

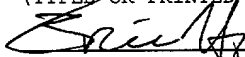
"EXPRESS MAIL" MAILING LABEL NUMBER: EL 856980977 US

DATE OF DEPOSIT: April 20, 2001

I HEREBY CERTIFY THAT THIS PAPER OR FEE IS BEING  
DEPOSITED WITH THE UNITED STATES POSTAL SERVICE  
"EXPRESS MAIL POST OFFICE TO ADDRESSEE" SERVICE UNDER  
37 C.F.R. 1.10 ON THE DATE INDICATED ABOVE, AND IS  
ADDRESSED TO: COMMISSIONER FOR PATENTS WASHINGTON, D.C. 20231.

Brian Ho

(TYPED OR PRINTED NAME OR PERSON MAILING PAPER OR FEE)



(SIGNATURE OF PERSON MAILING PAPER OR FEE)

Sir:

**STATEMENT UNDER 37 C.F.R. § 1.821(f) and (g)**

I hereby state that the content of the paper and computer readable copies of the Sequence Listing, submitted in accordance with 37 CFR § 1.821(c) and (e), respectively, are the same. The paper copy submitted herewith is identical in content to the computer readable copy previously submitted in the prior application, U.S. Serial No. 09/169,048, filed October 8, 1998.

0935465-0201  
100240-6945860

Variable	Unit	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100																																																																																																																																																																																						
Population	millions	10.0	10.1	10.2	10.3	10.4	10.5	10.6	10.7	10.8	10.9	11.0	11.1	11.2	11.3	11.4	11.5	11.6	11.7	11.8	11.9	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.7	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.6	13.7	13.8	13.9	14.0	14.1	14.2	14.3	14.4	14.5	14.6	14.7	14.8	14.9	15.0	15.1	15.2	15.3	15.4	15.5	15.6	15.7	15.8	15.9	16.0	16.1	16.2	16.3	16.4	16.5	16.6	16.7	16.8	16.9	17.0	17.1	17.2	17.3	17.4	17.5	17.6	17.7	17.8	17.9	18.0	18.1	18.2	18.3	18.4	18.5	18.6	18.7	18.8	18.9	19.0	19.1	19.2	19.3	19.4	19.5	19.6	19.7	19.8	19.9	20.0	20.1	20.2	20.3	20.4	20.5	20.6	20.7	20.8	20.9	21.0	21.1	21.2	21.3	21.4	21.5	21.6	21.7	21.8	21.9	22.0	22.1	22.2	22.3	22.4	22.5	22.6	22.7	22.8	22.9	23.0	23.1	23.2	23.3	23.4	23.5	23.6	23.7	23.8	23.9	24.0	24.1	24.2	24.3	24.4	24.5	24.6	24.7	24.8	24.9	25.0	25.1	25.2	25.3	25.4	25.5	25.6	25.7	25.8	25.9	26.0	26.1	26.2	26.3	26.4	26.5	26.6	26.7	26.8	26.9	27.0	27.1	27.2	27.3	27.4	27.5	27.6	27.7	27.8	27.9	28.0	28.1	28.2	28.3	28.4	28.5	28.6	28.7	28.8	28.9	29.0	29.1	29.2	29.3	29.4	29.5	29.6	29.7	29.8	29.9	30.0	30.1	30.2	30.3	30.4	30.5	30.6	30.7	30.8	30.9	31.0	31.1	31.2	31.3	31.4	31.5	31.6	31.7	31.8	31.9	32.0	32.1	32.2	32.3	32.4	32.5	32.6	32.7	32.8	32.9	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	34.0	34.1	34.2	34.3	34.4	34.5	34.6	34.7	34.8	34.9	35.0	35.1	35.2	35.3	35.4	35.5	35.6	35.7	35.8	35.9	36.0	36.1	36.2	36.3	36.4	36.5	36.6	36.7	36.8	36.9	37.0	37.1	37.2	37.3	37.4	37.5	37.6	37.7	37.8	37.9	38.0	38.1	38.2	38.3	38.4	38.5	38.6	38.7	38.8	38.9	39.0	39.1	39.2

Respectfully submitted,

Edward G. Cadogan

Deborah L. Cadena

Telephone: (858) 535-9001

CAMPBELL & FLORES LLP  
4370 La Jolla Village Drive  
7<sup>th</sup> Floor  
San Diego, California 92122  
**USPTO CUSTOMER NO. 23601**

PATENT

Our Docket: P-IX 4692



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: )  
Huse and Freedman )  
Serial No.: Not yet known )  
Filed: Herewith )  
For: METHOD FOR IDENTIFYING )  
OPTIMAL BINDING LIGANDS )  
TO A RECEPTOR )

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

"EXPRESS MAIL" MAILING LABEL NUMBER: EL 856980977 US

DATE OF DEPOSIT: April 20, 2001

I HEREBY CERTIFY THAT THIS PAPER OR FEE IS BEING  
DEPOSITED WITH THE UNITED STATES POSTAL SERVICE  
"EXPRESS MAIL POST OFFICE TO ADDRESSEE" SERVICE UNDER  
37 C.F.R. 1.10 ON THE DATE INDICATED ABOVE, AND IS  
ADDRESSED TO: COMMISSIONER FOR PATENTS WASHINGTON, D.C.  
20231.

*Brian H*  
(TYPED OR PRINTED NAME OR PERSON MAILING PAPER OR FEE)

*Brian H*  
(SIGNATURE OF PERSON MAILING PAPER OR FEE)

Commissioner for Patents  
Washington, D.C. 20231

Sir:

REQUEST TO USE COMPUTER READABLE FORM OF SEQUENCE LISTING  
FROM ANOTHER APPLICATION

The computer readable form in the above-referenced application is identical with that filed in Application Number 09/169,048, filed October 8, 1998. In accordance with 37 CFR 1.821(e), please use the only, computer readable form filed in that application as the computer readable form for the instant application. It is understood that the Patent and Trademark Office will make the necessary change in application number and filing date for the computer readable form that will be used for the instant application. A paper copy of the Sequence Listing is included in the originally-filed specification of the instant application.

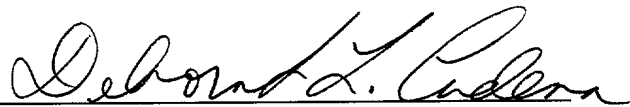
09/839469-04

Inventors: Huse and Freedman  
Serial No.: Not yet known  
Filed: Herewith  
Page 2

The Commissioner is hereby authorized to charge payment of any fees associated with the filing submitted herewith or credit any overpayment to Deposit Account No. 03-0370. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Date: April 20, 2001



Deborah L. Cadena  
Registration No. 44,048  
Telephone No.: (858) 535-9001  
Facsimile No.: (858) 535-8949

CAMPBELL & FLORES LLP  
4370 La Jolla Village Drive  
7<sup>th</sup> Floor  
San Diego, California 92122  
**USPTO CUSTOMER NO. 23601**

0333465-04004  
T00240"5946553